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The effects of surface texture and grooving on the retention of cast crowns (Witwer et al). 1986; 56:421-4
Influence of heat treatment on the surface texture of an etched cast nickel-chromium base alloy: an evaluation by profilometric records (Marinello et al). 1986; 56:431-5
Tilted molar abutment
Use of the split pontic nonrigid connector with the tilted molar abutment (O'Connor et al). 1986; 56:249-51
Tips from readers
Tips from our readers. 1986; 56:257-8, 514-5, 746-7
Tissue
An alternative holder for radiographic evaluation of tissue-integrated prostheses (Cox and Pharoah). 1986; 56:338-41
Modifications of existing prosthesis with osseointegrated implants (Parel et al). 1986; 56:61-5
Refitting complete dentures in patients with severe tissue undercuts (Granata). 1986; 56:119-22
TMJ; *see* **Temporomandibular joint**
Tongue
Adenocarcinoma of the tongue complicated by a hemimandibulectomy: soft tissue support for a tongue prosthesis in an edentulous glossectomy patient (Ballard et al). 1986; 56:470-3
Tooth; *see also* **Denture**; *specific tooth*
Analysis of facial surface undercuts to determine use of RPI or RPA clasps (LaVere). 1986; 56:741-3
Canines as removable partial denture abutments. Part I: tooth rank and canine incidence (McArthur). 1986; 56:197-9
Preliminary study of a method of measuring removable partial denture abutment tooth movement in vitro and in vivo (Bazirgan and Bates). 1986; 56:204-7
Tooth-clenching
The contribution of the deep fibers of the masseter muscle to selected tooth-clenching and chewing tasks (Belser and Hannam). 1986; 56:629-35
Traction strips
Mixing bowl traction strips (Stevenson). 1986; 56:515 (Tips)
Treatment planning
A cephalometric technique for prosthodontic diagnosis and treatment planning (Chaconas and Gonidis). 1986; 56:567-74
Treatment restoration
Fabrication of treatment restorations using acrylic resin denture teeth (Kinsel). 1986; 56:142-5
Trial denture
Movement of artificial teeth in waxed trial dentures (Shetty and Udani). 1986; 56:644-8

U

Undercut
Elimination of mandibular labial undercut with autogenous bone graft from a maxillary tuberosity (Moenning and Graham). 1986; 56:211-4

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Refitting complete dentures in patients with severe tissue undercuts (Granata). 1986; 56:119-22

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Veneer
The contribution of a pinhole to the retention and resistance form of veneer crowns (Galun et al). 1986; 56:292-7
Esthetic veneer cementation (Nicholls). 1986; 56:9-12
In vitro two-body wear of polymeric veneering materials (Smalley and Nicholls). 1986; 56:175-81
Retention and resistance in preparations for extracoronal restorations. Part II: practical and clinical studies (Owen). 1986; 56:148-53
Vertical processing error
Investing and packing removable partial denture bases to minimize vertical processing error (Palmer and Coffey). 1986; 56:123-4
Veterans Administration Cooperative Studies Project
Veterans Administration Cooperative Studies Project No. 147. Part I: a multidisciplinary, multicenter experimental design for the evaluation of alternative metal-ceramic alloys (Morris et al). 1986; 56:402-6
Veterans Administration Cooperative Studies Project No. 147. Part II: a new assessment system for rating metal-ceramic crowns (Morris). 1986; 56:546-51
Veterans Aministration Cooperative Studies Project No. 147. Part III: assessment of blindness in a clinical evaluation of alternative alloys for metal-ceramic crowns (Morris). 1986; 56:692-7
Vinyl stent
Using soft vinyl stents to facilitate augmentation of maxillary anterior atrophic ridges with hydroxyapatite (Torres et al). 1986; 56:326-9

W

Waxed trial denture
Movement of artificial teeth in waxed trial dentures (Shetty and Udani). 1986; 56:644-8
Wear
Canine slope and glenoid cavity morphology: relationships with dental wear (Buyle-Bodin et al). 1986; 56:312-7
In vitro two-body wear of polymeric veneering materials (Smalley and Nicholls). 1986; 56:175-81
Wedge
Contouring wedge with compound aids gingival adaptation of matrix band (Re and Porter). 1986; 56:514 (Tips)

X

Xerostomia
Construction of an artificial saliva reservoir in an existing maxillary denture (Vissink et al). 1986; 56:70-4

Z

Zero-degree tool
The use of an attachment system for overlay prostheses (Arbree and Galovic). 1986; 56:51-5
Zinc-phosphate cement
Effect of preparation finish on retention and fit of complete crowns (Tjan and Sarkissian). 1986; 56:283-8